



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of ) Examiner: W. JUNG  
A. QUAID, et al. )  
Serial No.: 10/621,119 ) Art Unit: 3768  
Filed: July 16, 2003 ) Confirmation: 9089  
For: **GUIDANCE SYSTEM AND** )  
**METHOD FOR SURGICAL** )  
**PROCEDURES WITH** )  
**IMPROVED FEEDBACK** )  
Date of Last Office Action: )  
June 16, 2006 )  
Attorney Docket No.: ) Cleveland, OH 44114  
MAKO 2 00027-3 ) September 11, 2006

**37 CFR 1.97(c) INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The applicants wish to bring the references cited on the attached PTO-1449 form to the attention of the Examiner.

This Information Disclosure Statement is being filed before a Final Office Action or Notice of Allowance, but after a first Office Action on the merits. Accordingly, the 37 CFR 1.17(p) fee in the amount of \$ 180.00 is due.

The applicants authorize this fee to be charged to a Credit Card and enclose an appropriate form PTO-2038 for this purpose.

Certificate of Mailing

I certify that this **INFORMATION DISCLOSURE STATEMENT** in connection with Ser. No. 10/621,119 is being ☒ deposited with the United States Postal Service as First Class mail under 37 C.F.R. § 1.8, addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date  
September 11, 2006

Signature  
*Hilary M McNulty*  
Printed Name  
Hilary M. McNULTY

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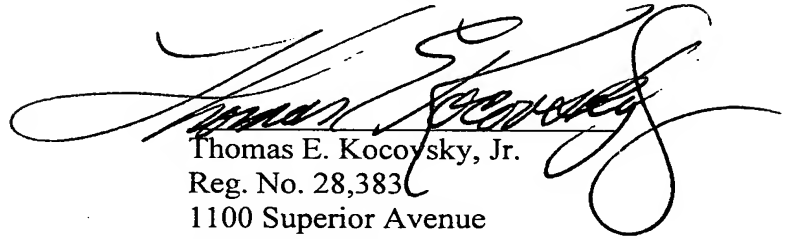
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180.00 0P

An early indication that all references have been considered is requested.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
MINNICH & McKEE, LLP

A large, stylized handwritten signature in black ink, likely belonging to Thomas E. Kocovsky, Jr., is written over the printed name and address.

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1100 Superior Avenue  
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Cleveland, OH 44114-2579  
(216) 861-5582



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)</b>	Subsidiary Form 1449A/PTO		<b>Complete if Known</b>	
	Application Number		10/621,119	
	Filing Date		July 16, 2003	
	First Named Inventor		QUAID, et al.	
	Art Unit		3768	
	Examiner Name		W. JUNG	
Sheet 1 of 8			Attorney Docket No.	MAKO 2 00027-3

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	AA	US-2006/0109266A1	05/25/2006	Itkowitz, et al.
	AB	US-7,039,866 B1	05/02/2006	Rosenberg, et al.
	AC	US-2006/0058616A1	03/16/2006	Marquart, et al.
	AD	US-7,001,346 B2	02/21/2006	White
	AE	US-2006/0033707A1	02/16/2006	Rodomista, et al.
	AF	US-6,985,133 B1	01/10/2006	Rodomista, et al.
	AG	US-2005/0222830A1	10/06/2005	Massie, et al.
	AH	US-2005/0203384A1	09/15/2005	Sati, et al.
	AI	US-2005/0197800A1	09/08/2005	Goodwin, et al.
	AJ	US-6,920,347 B2	07/19/2005	Simon, et al.
	AK	US-2005/0113677A1	05/26/2005	Davies, et al.
	AL	US-2005/0107801A1	05/19/2005	Davies, et al.

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		Country Code-Number Kind Code (if known)			
	AM	WO 2004/069036 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>
	AN	WO 2004/969040 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>
	AO	WO 2004/069041 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>
	AP	WO 2004/070573 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>

### OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published	T
	AQ	Quaid, et al. "The Use of Haptic Information Displays For Assisting in the Execution of Image-Guided Surgery Plans", Syllabus of the Computer Assisted Orthopaedic Surgery Meeting, (CAOS/USA 2001), July 2001, Pittsburgh, PA pp. 339-340	<input type="checkbox"/>
	AR	Quaid, et al., "Haptic Information Displays For Computer-Assisted Surgery", Proceedings of the 2002 IEEE International Conference on Robotics & Automation, Washington, DC May 2002, pp 2092-2097	<input type="checkbox"/>
	AS	Abovitz, et al., "The Future Use of Networked Haptic Learning Information Systems in Computer-Assisted Surgery", CAOS 2001, July 6-8, 2001, Pittsburgh, PA pp 337-338	<input type="checkbox"/>
	AT	Abovitz, "Human-Interactive Medical Robotics", CAOS 2001, July 6-8, 2001, Pittsburgh, PA pp 81-82	<input type="checkbox"/>
	AU	Abovitz, "Human-Interactive Medical Robotics", CAOS 2000, June 15-17 2000, Pittsburgh, PA pp 71-72	<input type="checkbox"/>

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	BA	US-2005/0093821A1	05/05/2005	Massie, et al.
	BB	US-6,853,965 B2	02/08/2005	Massie, et al.
	BC	US-2005/0001831A1	01/06/2005	Shih, et al.
	BD	US-6,831,640 B2	12/14/2004	Shih, et al.
	BE	US-2004/0128026A1	07/01/2004	Harris, et al.
	BF	US-2004/0127788A1	07/01/2004	Arata
	BG	US-6,757,582 B2	06/29/2004	Brisson, et al.
	BH	US-2004/0115606A1	06/17/2004	Davies
	BI	US-2004/0106916A1	06/03/2004	Quaid, et al.
	BJ	US-2004/0102866A1	05/27/2004	Harris, et al.
	BK	US-6,711,432 B1	03/23/2004	Krause, et al.
	BL	US-6,701,174 B1	03/02/2004	Krause, et al.

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	BM	WO 2004/070580 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>
	BN	WO 2004/070581 A2	08/19/2004	Z-KAT, INC.	<input type="checkbox"/>
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### OTHER - NON PATENT LITERATURE DOCUMENTS

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	BQ	Abovitz, "Digital Surgery: The Future of Medicine and Human-Robot Symbiotic Interaction", Industrial Robot: An International Journal, V. 28, N. 5, Oct 2001, pp. 401-406	<input type="checkbox"/>
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	BS		<input type="checkbox"/>
	BT		<input type="checkbox"/>
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Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
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	CB	US-2004/0034282A1	02/19/2004	Quaid, III
	CC	US-2004/9934392A1	02/19/2004	Abovitz, et al.
	CD	US-6,692,485 B1	02/17/2004	Brock, et al.
	CE	US-2004/0024311A1	02/05/2004	Quaid, III
	CF	US-6,674,916 B1	01/06/2004	Deman, et al.
	CG	US-6,671,651 B2	12/30/2003	Goodwin, et al.
	CH	US-6,552,722 B1	04/22/2003	Shih, et al.
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	CJ	US-6,546,277 B1	04/08/2003	Franck, et al.
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	CL	US-6,430,434 B1	08/06/2002	Mittelstadt

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Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
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Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	DA	US-6,421,048 B1	07/16/2002	Shih, et al.
	DB	US-6,417,638 B1	07/09/2002	Guy, et al.
	DC	US-6,405,158 B1	06/11/2002	Massie, et al.
	DD	US-6,405,072 B1	06/11/2002	Cosman
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	DG	US-6,377,839 B1	04/23/2002	Kalfas, et al.
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	DI	US-6,322,567 B1	11/27/2001	Mittelstadt, et al.
	DJ	US-6,233,504 B1	05/15/2001	Das, et al.
	DK	US-6,231,526 B1	05/15/2001	Taylor, et al.
	DL	US-6,226,566 B1	05/01/2001	Funda, et al.

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	EA	US-6,205,411 B1	03/20/2001	DiGioia, III, et al.
	EB	US-6,111,577	08/29/2000	Zilles, et al.
	EC	US-6,104,158	08/15/2000	Jacobus, et al.
	ED	US-6,084,587	07/04/2000	Tarr, et al.
	EE	US-6,033,415	03/07/2000	Mittelstadt, et al.
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	EG	US-6,002,859	12/14/1999	DiGioia, III, et al.
	EH	US-5,987,960	11/23/1999	Messner, et al.
	EI	US-5,984,930	11/16/1999	Maciunas, et al.
	EJ	US-5,980,535	11/09/1999	Barnett, et al.
	EK	US-5,976,156	11/02/1999	Taylor, et al.
	EL	US-5,950,629	09/14/1999	Taylor, et al.

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	EO				<input type="checkbox"/>
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Examiner Signature		Date Considered	
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	FA	US-5,898,599	04/27/1999	Massie, et al.
	FB	US-5,887,121	03/23/1999	Funda, et al.
	FC	US-5,871,018	02/16/1999	Delp, et al.
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	FI	US-5,682,886	11/04/1997	Delp, et al.
	FJ	US-5,630,431	05/20/1997	Taylor, et al.
	FK	US-5,625,576	04/29/1997	Massie, et al.
	FL	US-5,587,937	12/24/1996	Massie, et al.

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	GA	US-5,572,999	11/12/1996	Funda, et al.
	GB	US-5,445,166	08/29/1995	Taylor
	GC	US-5,408,409	04/18/1995	Glassman, et al.
	GD	US-5,388,480	02/14/1995	Townsend
	GE	US-5,343,385	08/30/1994	Joskowicz, et al.
	GF	US-5,299,288	03/29/1994	Glassman, et al.
	GG	US-5,236,432	08/17/1993	Matsen, III, et al.
	GH	US-5,230,338	07/27/1993	Allen, et al.
	GI	US-5,207,114	05/04/1993	Salisbury, Jr., et al.
	GJ	US-5,154,717	10/13/1992	Matsen, III, et al.
	GK	US-5,142,930	09/01/1992	Allen, et al.
	GL	US-5,086,401	02/04/1992	Glassman, et al.

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	GN			
	GO			
	GP			

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	HA	US-5,046,375	09/10/1991	Salisbury, Jr., et al.
	HB	US-4,979,949	12/25/1990	Matsen, III, et al.
	HC	US-4,903,536	02/27/1990	Salisbury, Jr., et al.
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	HF	US-		
	HG	US-		
	HH	US-		
	HI	US-		
	HJ	US-		
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
		Country Code-Number Kind Code (if known))			
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	HP				<input type="checkbox"/>

OTHER - NON PATENT LITERATURE DOCUMENTS			
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	HQ		<input type="checkbox"/>
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	HT		<input type="checkbox"/>
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